

File 351:Derwent WPI 1963-2003/UD,UM &UP=200361
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Set Items Description

? s pn=EP 1041397

S1 1 PN=EP 1041397

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? T 1/3,AB/1

1/3,AB/1

DIALOG(R)File 351:Derwent WPI

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WPI Acc No: 2000-589133/*200056*

XRPX Acc No: N00-435998

Information word reception point measuring method for signal propagation time measurement e.g. for satellite location, has estimated reception time point corrected by correlating stored sample values with reference signal

Patent Assignee: FRAUNHOFER GES FOERDERUNG ANGEWANDTEN (FRAU)

Inventor: BUCHTA R; EBERLEIN E; GERHAEUSER H; HEUBERGER A

Number of Countries: 025 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1041397	A2	20001004	EP 2000105464	A	20000315	200056 B
DE 19913075	A1	20001026	DE 1013075	A	19990323	200061

Priority Applications (No Type Date): DE 1013075 A 19990323

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1041397	A2	G	17	G01S-011/08	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

DE 19913075	A1			G01S-005/06	
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Abstract (Basic): *EP 1041397* A2

Abstract (Basic):

NOVELTY - The method has a coded signal sampled and the sample values stored, with a decoded version of the coded signal compared with a given information word, for detection of the information word and estimated of its reception time point. The stored sample values are correlated with a reference signal incorporating the coded information word, for correction of the estimated reception time point via the correlation maximum.

DETAILED DESCRIPTION - Also included are INDEPENDENT CLAIMS for the following:

(a) a device for determining the received time point of an information word in a coded signal;

(b) a device for determining the propagation time of a coded signal

USE - The method is used for detecting the reception time point of an information word in a received coded signal, for measurement of a signal propagation time, e.g. for 3-dimensional location of an earth satellite position.

ADVANTAGE - The method eliminates errors caused by

non-deterministic delays in the decoding method.

DESCRIPTION OF DRAWING(S) - The figure shows a principle block diagram of a reception time point measuring device.

pp; 17 DwgNo 2/4

Legal Status

File 345:Inpadoc/Fam.& Legal Stat 1968-2003/UD=200337.

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*File 345: September 22, 2003 - changes in source data are causing processing delays. Alerts will resume late this week.

Set	Items	Description
?	S	PN=EP 1041397
	S1	1 PN=EP 1041397
?	T	1/9/1

1/9/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat

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Basic Patent (No,Kind,Date): EP 1041397 A2 20001004 <No. of Patents: 002>

PATENT FAMILY:

GERMANY (DE)

Patent (No,Kind,Date): DE 19913075 A1 20001026

VERFAHREN UND VORRICHTUNG ZUM BESTIMMEN DES AUF EINE ZEITBASIS
BEZOGENEN AUFTRITTSZEITPUNKT EINES INFORMATIONSWORTS IN EINEM
CODIERTEN SIGNAL UND VERFAHREN UND VORRICHTUNG ZUM BESTIMMEN DER
LAUFZEIT EINES CODIERTEN SIGNALS VON EINEM SENDER ZU EINEM EMPFAENGER
(German)

Patent Assignee: FRAUNHOFER GES FORSCHUNG (DE)

Author (Inventor): HEUBERGER ALBERT (DE); EBERLEIN ERNST (DE);

BUCHTA RAINER (DE); GERHAEUSER HEINZ (DE)

Priority (No,Kind,Date): DE 19913075 A 19990323

Applic (No,Kind,Date): DE 19913075 A 19990323

IPC: * G01S-005/06; H04B-007/155

Derwent WPI Acc No: * G 00-589133

Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 19913075	P	19990323	DE AE	DOMESTIC APPLICATION (PATENT APPLICATION) (INLANDSANMELDUNG (PATENTANMELDUNG))
			DE 19913075	A 19990323
DE 19913075	P	20001026	DE A1	LAYING OPEN FOR PUBLIC INSPECTION (OFFENLEGUNG)
DE 19913075	P	20001026	DE OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW (PRUEFUNGSANTRAG GEM. PAR. 44 PATG. IST GESTELLT)

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 1041397 A2 20001004

METHOD AND APPARATUS TO DETERMINE THE ARRIVAL TIME OF AN INFORMATION

WORD IN A CODED SIGNAL AND METHOD AND APPARATUS TO DETERMINE THE
PROPAGATION TIME OF A CODED SIGNAL FROM A TRANSMITTER TO A RECEIVER
(English; French; German)

Patent Assignee: FRAUNHOFER GES FORSCHUNG (DE)

Author (Inventor): HEUBERGER ALBERT DIPL-ING (DE); EBERLEIN ERNST
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(DE)

Priority (No,Kind,Date): DE 19913075 A 19990323

Applic (No,Kind,Date): EP 2000105464 A 20000315

Designated States: (National) AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * G01S-011/08

Derwent WPI Acc No: * G 00-589133; G 00-589133

Language of Document: German

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 1041397 P 19990323 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1041397 P DE 19913075 A 19990323
20000315 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)

EP 1041397 P EP 2000105464 A 20000315
20001004 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

EP 1041397 P AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE
20001004 EP AX ERSTRECKUNG DES
EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON
BENENNUNGSGEBUEHREN)
AL;LT;LV;MK;RO;SI

EP 1041397 P 20001004 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)